



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Wely B. Floriano, Nagarajan Art Unit : 1631
Vaidehi, William A. Goddard, III Examiner : Cheyne D. Ly
Serial No. : 10/010,725
Filed : November 30, 2001
Title : METHODS AND APPARATUS FOR PREDICTING LIGAND BINDING
INTERACTIONS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO NOTICE OF NON-COMPLIANT AMENDMENT MAILED
MARCH 26, 2004

This is a response to the Notice of Non-Compliant Amendment mailed March 26, 2004. This notice indicates that the amendment filed on March 15, 2004 is considered non-compliant because it fails to provide a complete listing of all the claims.

The March amendment failed to list claims 17-28, 30, and 32-35 which were withdrawn in a previous amendment. The applicant now submits a corrected listing of claims which lists claims 17-28, 30, and 32-35 as well as the remaining claims.

1. (Currently amended) A computer implemented method for modeling ligand-protein binding interactions, comprising:

providing structural information describing the structure of a protein and each ligand in a set of one or more ligands;

using the structural information for the protein to identify a binding region of the protein; identifying a plurality of preferred binding conformations for each ligand in of the set of ligands in the binding region, the preferred binding conformations being determined by

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I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

April 26, 2004
Date of Deposit

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